


**INFORMATION DISCLOSURE
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ATTY. DOCKET NO.

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MATSUSHIMA

FILING DATE

January 23, 2002

GROUP

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(Use several sheets if necessary)

J1017 U.S. PTO

10/052345


U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|-----------------|---------|-----------------|-------|----------|-------------------------------|
| <i>J</i> | 5,084,905 | 01/1992 | SASAKI et al. | | | |
| <i>J</i> | 5,159,477 | 10/1992 | SHIMADA et al. | | | |
| <i>J</i> | 5,317,432 | 05/1994 | INO | 349 | 39 | |
| <i>J</i> | 5,461,501 | 10/1995 | SATO et al. | | | |
| <i>J</i> | 5,585,951 | 12/1996 | NODA | | | |
| <i>J</i> | 5,721,601 | 02/1998 | YAMAJI et al. | | | |
| <i>J</i> | 5,745,195 | 04/1998 | ZHANG | | | |
| <i>J</i> | 5,767,927 | 06/1998 | JANG | 349 | 39 | |
| <i>J</i> | 5,784,131 | 07/1998 | KIM et al. | 349 | 39 | |
| <i>J</i> | 5,917,563 | 09/1999 | MATSUSHIMA | | | |
| <i>J</i> | 5,943,107 | 08/1999 | KADOTA et al. | | | |
| <i>J</i> | 5,956,105 | 09/1999 | YAMAZAKI et al. | | | |
| <i>J</i> | 6,141,066 | 10/2000 | MATSUSHIMA | | | |
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FOREIGN PATENT DOCUMENTS

| | | | | | | | TRANSLATION | |
|-------------------|---------|---------|-------|----------|----------|----|-------------|--|
| DOCUMENT | DATE | COUNTRY | CLASS | SUBCLASS | YES | NO | | |
| <i>J</i> 5-257164 | 10/1993 | JAPAN | | | Partial | | | |
| 07146491 | 06/1995 | JAPAN | | | Abstract | | | |
| 62-178296 | 02/1987 | JAPAN | | | | X | | |
| 1-33833 | 07/1989 | JAPAN | | | | X | | |
| <i>7/1/74 P</i> | | | | | | | | |
| | | | | | | | | |

OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)

| | | | |
|----------|---------------|-----------------|---------------|
| <i>J</i> | <i>Parker</i> | Date Considered | <i>5/5/02</i> |
|----------|---------------|-----------------|---------------|

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

Form PTO-FB-A820 (Also PTO-1449)